SAMSUNG

SGH e335
User Guide

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SGH-E335

PORTABLE Tri-Band

TELEPHONE

User Guide

Please read this manual before operating your phone, and keep it for future reference.

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Section 1: Getting Started

Topics Covered

- Activating Your Phone
- Switching the Phone On or Off
- Setting Up Voicemail

This section allows you to start using your phone by activating your service and setting up your voice mail.

Activating Your Phone

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, any optional services available, and many others.

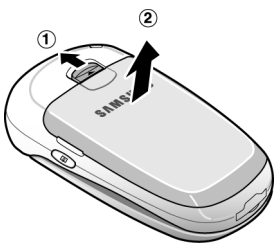
Installing the SIM Card

Important! The plug-in SIM card and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card.
Keep all SIM cards out of reach of small children.

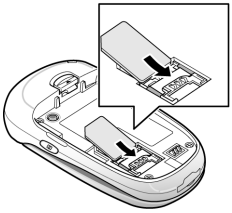
If necessary, switch off the phone by holding down the key until the power-off image displays.

Remove the battery. To do so:

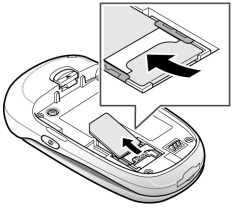
1. Slide the battery lock toward the top of the phone and hold it in that position.
2. Lift the battery away, as shown.



3. Slide the SIM card into the SIM card socket so that the card locks into place. Make sure the gold contacts of the card face into the phone.



Note: When you need to remove the SIM card, slide it, as shown, and take it out of the socket.



4. Place the battery so that the tabs on the end align with the slots at the bottom of the phone.

5. Press the battery down until it clicks into place. Make sure that the battery is properly installed before switching on the phone.

Charging a Battery

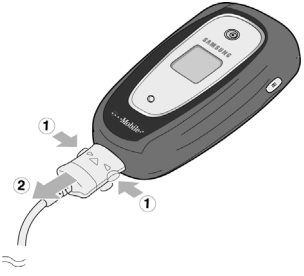
Your phone is powered by a rechargeable Li-ion battery. A travel adapter comes with your phone for charging the battery. Use only approved batteries and chargers. Ask your local Samsung dealer for further details.

You can use the phone while the battery is charging, but this causes the phone to charge more slowly.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 200 minutes.

1. With the battery in position on the phone, plug the connector of the travel adapter into the jack at the bottom of the phone.

2. Plug the adapter into a standard AC wall outlet.
3. When charging is finished, unplug the adapter from the power outlet and disconnect it from the phone by 1. pressing the buttons on both sides of the connector and 2. pulling the connector out.



Note: You must unplug the adapter before you remove the battery from the phone during charging; otherwise, the phone could be damaged.

Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, a warning tone sounds and the "Warning Low Battery" message repeats at regular intervals on the display. When this happens, your phone turns off the backlight to conserve the remaining battery power.

When the battery level becomes too low, the phone automatically turns off.

Switching the Phone On or Off

1. Open the phone.
2. Press and hold the key until the phone switches on.
3. If the phone asks you to enter the phone password, enter the password and press the **OK** soft key or the key. The password is preset to "00000000" at the factory. For further details, see "Change Password" on page 95.
4. If the phone asks for a PIN, enter the PIN and press the **OK** soft key or the key. For further details, see "PIN Check" on page 94.

   The phone searches for your network and after finding it, the Idle screen appears. Now, you can make or receive calls.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For further details, see "Language Settings" on page 93.

5. When you wish to switch off the phone, press and hold the key until the power-off image displays.

Setting Up Your Voice Mail

For new users, follow the instructions below to set up voicemail:

1. In Idle mode, press and hold the 1 key on the keypad.

   You are prompted to enter the password.
2. Follow the tutorial to create a password, a greeting, and your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

You can access your Voice Mail by pressing the 1 key on the keypad or by going to the menu. To access Voice Mail using the menu:

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Highlight **Messages** and press **Select** soft key or the key.
3. Highlight **Voice mail** and press **Select** soft key or the key.
4. Highlight **Call voice mail** and press the key. Your phone dials the specified voice mail number.

5. When connected, follow the voice prompts from the voice mail center.

Changing the Voice Mail Number

Your SIM card gives you the default service number of the voice mail center. However, you may need to change the number. Use the following procedures to change your voice mail number.

1. In Idle mode, press the **Menu** soft key to access the Menu mode.
2. Highlight **Messages** and press **Select** soft key or the key.
3. Highlight **Voice mail** and press **Select** soft key or the key.
4. Highlight **Voice server number** and press the **Select** soft key or the key. Highlight **Empty** and press the **Select** soft key or the key.
5. Press **Edit number** to change the number.
6. Press the **OK** soft key to save the update.
7. Press the key to return to Idle mode.

Section 2: Understanding Your Phone

Topics Covered

- Features of Your Phone
- Front View of Your Phone
- Command Keys
- Understanding the Display Screen

This section outlines some key features of your phone. It also displays the screen and the icons that are displayed when the phone is in use.

Features of Your Phone

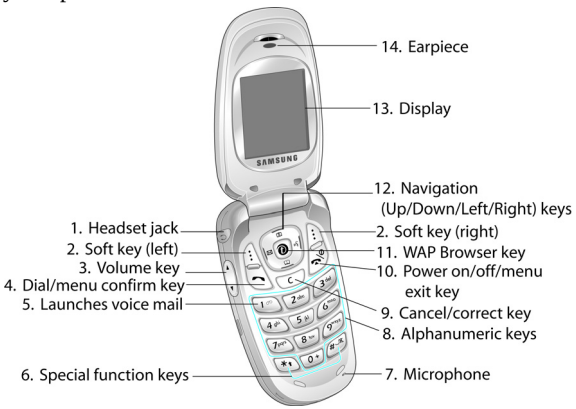
Your phone is lightweight, easy-to-use and offers many significant features. The following list outlines a few of the features included in your phone.

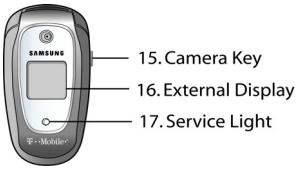
User friendly, menu driven access to features and options.

- Instant Messaging capability
- Multimedia capability
- Personal Assistant feature provides calendar, to-do list, alarms, calculator, and conversion capability.

View of Your Phone

The following illustrations show the main elements of your phone:





Keys

The following list correlates to the illustrations.

1. The headset jack is used for the hands-free headset.
2. Performs the functions indicated by the screen text on the bottom line of the display.
3. During a call, adjusts the earpiece volume.

   In Idle mode with the phone open, adjusts the keypad tone volume. With the phone closed, turns on the external display when held down.
4. Makes or answers a call.

   In Idle mode, recalls the last number dialed or received when held down.

   In Menu mode, selects a menu function or stores information that you have entered, such as a name in the phone or SIM memory.
5. In Idle mode, when held down accesses voice mail.
6. Enters special characters. Performs various functions.
7. The microphone used during phone calls and voice memo recordings.

8. Enters numbers, letters, and some special characters.
9. Deletes characters from the display.

   In Menu mode, returns you to the previous menu level.
10. Ends a call. Also switches the phone on and off when held down.

    In Menu mode, cancels your input and returns the phone to Idle mode.
11. In Idle mode, launches the WAP (Wireless Application Protocol) browser.

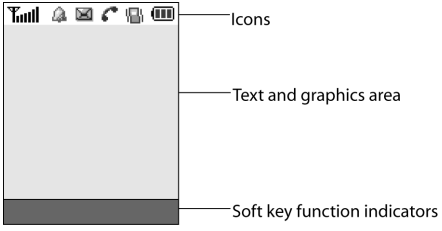
    In Menu mode, selects the highlighted menu options.
12. In Menu mode, scrolls through the menus and Phonebook.

    In Idle mode, the Down key allows you to access the Phonebook **Search** menu directly.

    When entering text, moves the cursor to the left or right, depending on which side you push.
13. Display area where text and graphics are displayed.
14. The earpiece is used to listen to audio from your phone.
15. The camera key is used to launch the camera (with a press and hold) and to take a photo (with a short press).
16. The external display shows the received signal strength, the phone battery level, the date and time.
17. The service light indicates that the phone is turned on and is operational.

Display Layout

The display has 3 areas:



Icons

- Shows the received signal strength. The greater the number of bars, the stronger the signal.
- Appears when a new text message has been received.
- Appears when a new voice mail has been received.
- Appears when a new multimedia message has been received.
- Appears when you set an alarm to ring at a specified time. For details, see page "Alarm" on page 104.
- Appears when you are out of your service area.
- Appears when a call is in progress.
- Appears when the Call Forwarding feature is active. For details, see page "Call Forwarding" on page 98.
- Appears when Alert type is vibration or you set the phone to vibrate when you receive a call.

- Appears when Silent mode is active.
- Appears when Mute is active.
- Shows the level of your battery. The more bars you see, the more power you have remaining.

Backlight

A backlight illuminates the display and the keypad. When you press any key or open the phone, the backlight comes on. It goes off when no keys are pressed within a given period of time, depending on the setting in the **Back light** menu. The display turns off after one minute to conserve battery power.

To specify the length of time the backlight is active, set the **Back light** menu. See "Backlight" on page 90 for further details.

External Display

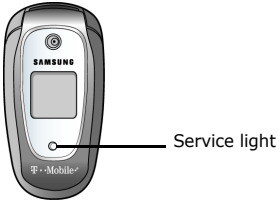
Your phone has an external display on the front of the phone. It indicates when you have an incoming call or message. It also alerts you at a specified time when you have set an alarm. The backlight turns on and the corresponding icon appears on the external display.

When you close the phone, the display shows the current time on a digital clock.

Service Light

The service light is on the front of the phone. It flashes when services are available on the phone.

To activate or deactivate the use of the service light, use the **Service light** menu. See "Service Light" on page 90 for further details.



Section 3: Call Functions

Topics Covered

- Making a Call
- Adjusting the Call Volume
- Answering a Call
- Call Log
- Silent Mode
- Selecting Functions and Options

This section allows you to make or answer a call. It also includes the features and functionality associated with making or answering a call.

Making a Call

When the idle screen displays, enter the area code and phone number, and press the key.

Note: When you activate the Auto redial option in the Extra settings menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. See page "Extra Settings" on page 97 for further details.

Making an International Call

1. Press and hold the **0** key. The **+** character appears.
2. Enter the country code, area code, and phone number and press the key.

Correcting the Number

1. To clear the last digit displayed, press the **C** key.
2. To clear any other digit in the number, press the **Left** or **Right** key until the cursor is immediately to the right of the digit to be cleared. Press the **C** key. You can also enter a missing digit.
3. To clear the whole display, press and hold the **C** key.

Ending a Call

When you want to finish your call, briefly press the key.

Redialing the Last Number

The phone stores the numbers of the calls you've dialed, received, or missed if the call recipient or caller is identified. See "Caller ID" on page 101 for further details.

To recall any of these numbers:

1. If you have typed characters on the display, press the key to return to Idle mode.
2. Press the key to display a list of the most recent numbers used in the order you dialed or received them.
3. Use the **Up** and **Down** keys to scroll through the numbers until the number you want highlights.
4. To dial the number, press the key or the key.

   Before you dial the number, you also have the following options:

   - To see details of the number, press the Options soft key and select Details. Press the Select soft key or the key.
   - To call back the number, press the Options soft key and select Call back. Press the Select soft key or the key. The number is dialed.
   - To send a text or picture message to the number, press the Options soft key and select Send message. Press the Select soft key or the key.
   - To edit the number, press the Options soft key and select Edit. Press the Select soft key or the key.
   - To delete the number, press the Options soft key and select Delete. Press the Select soft key or the key.
   - To delete all of the numbers, press the Options soft key and select Delete all. Press the Select soft key or the key.

Making a Call from the Phonebook

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called Phonebook.

Once you have stored a number in the Phonebook, you can dial it by pressing a few keys. You can also assign your

most frequently-used numbers to number keys using the Speed Dial feature.

For further details about the Phonebook feature, see "Dialing a Number from Phonebook" on page 63.

Adjusting the Call Volume

During a call, if you want to adjust the earpiece volume, use the Volume keys on the left side of the phone.

Press the ▲ key to increase the volume level and the ▼ key to decrease the level.

In Idle mode, you can also adjust the keypad tone volume using these keys.

Answering a Call

When somebody calls you, the phone rings and displays the incoming call image.

The caller's phone number, or name if stored in Phonebook, displays.

1. If necessary, open the phone. Press the key or the **Accept** soft key to answer the incoming call.

   If the **Anykey answer** option in the **Extra Settings** menu is activated, you can press any key to answer a call except for the key and the **Reject** soft key.

   If the **Active Flip** option in the **Extra Settings** menu is activated, you can answer the call simply by opening the phone.

Note: To reject an incoming call, press and hold the Volume keys on the left side of the phone before opening the phone, or press the **Reject** soft key or the key.

2. End the call by closing the phone or pressing the key.

Note: You can answer a call while using the Phonebook or menu features. After ending the call, the phone returns to the function screen you were using.

Call Log

All incoming, outgoing and missed calls are listed in the Call Log.

1. To access the Call Log option, press the key. A list of calls displays.
2. Press the **Options** soft key to see Details, Call back, Edit, Send message, or Delete the calls.
3. To place a call press the key.

Viewing Missed Calls

When you are unable to answer a call for any reason, you can find out who is calling you, if this service is available, so that you can call the person back.

The number of calls you have missed displays on the idle screen immediately after a call is missed.

To view a missed call immediately:

1. If the phone is closed, open the phone.
2. Press the **View** soft key.

The number corresponding to the most recent missed call displays, if available.

3. To scroll through the missed calls, press the **Up** or **Down** key.
4. To call the number displayed, press the key.
5. To edit or delete a missed call number, press the **Options** soft key or the key. See below.

Editing a Missed Call Number

When the number corresponding to the missed call is not available, the Edit number option does not display.

1. Press the **View** soft key. Press the **Options** soft key and select **Edit**.
2. Change the number and press the **Save** soft key or the key.
3. Select a location (SIM or Phone) and press the **Select** soft key or the key.
4. Enter a name and press the **OK** soft key or the key.

5. Press the **Options** soft key to Send message, Assign speed dial, Edit name or number, Delete entry, or Copy.

Deleting a Missed Call

1. Press the **View** soft key. A list of missed calls displays.
2. If necessary, press the **Up** or **Down** key to highlight the missed call and press the **Options** soft key.
3. Highlight **Delete** and press the **Select** soft key or the key.
4. Select **Yes** to confirm deletion or **No** to cancel.

You can press the key at any time to exit the Missed Call feature.

Note: You can access the Missed Call feature at any time by selecting the Missed calls menu.

Silent Mode

Silent mode is convenient when you wish to stop the phone from making noise, in a theater for example.

In Idle mode, press and hold the # key until the “Silent Mode On” message and the Silent mode () display.

In Silent mode, instead of sounds, your phone will vibrate, or flash its light, depending on the function and the situation.

To exit and reactivate the previous sound settings, press and hold the # key again until “Exit Silent Mode” appears. The Silent mode icon () no longer displays.

Selecting Functions and Options

Your phone offers a set of functions that allow you to customize it. These functions are arranged in menus and sub-menus, accessed using the two soft keys. Each menu and sub-menu allows you to view and alter the settings of a particular function.

Soft Keys

The roles of the soft keys vary depending on the function you are currently using; the labels on the bottom line of the display just above each key indicate their current role.

Press the left soft key for **Menu** mode.

Press the right soft key to access the **Ph.Book** menu.

Selecting Options

To view the various functions and options available and to select the one you want:

1. Press the appropriate soft key.
2. To select the function displayed or the option highlighted, press the **Select** soft key or the OK key.
3. To view the next function or highlight the next option on a list, press the **Down** Navigation key.
4. To move back to the previous function or option on a list, press the **Up** key.
5. To move back up one level in the menu structure, press the Back key.
6. To exit the menu structure without changing the settings, press the Power key.

In some functions, you may be asked for a password or PIN. Enter the code and press the **OK** soft key or the OK key.

When you access a list of options, your phone highlights the currently active option. If, however, there are only two options, such as **On/Off** or **Enable/Disable**, your phone highlights the option that is not currently active, so that you can select it directly.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Putting a Call on Hold

You can place the current call on hold whenever you want. You can make another call while you have a call in progress if your network supports this service.

To place a call on hold, simply press the **Options** soft key then press the **Select** soft key. You can reactivate the call whenever you want, by pressing the **Resume** soft key.

To make a call while you have a call in progress:

1. Enter the phone number that you wish to dial or look it up in the Phonebook.
2. Press the key to dial the second call.

The first call is automatically put on hold.

Or

1. Press the Options soft key and select **Hold**.
2. Make the second call in the normal way.

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

To switch between the two calls, simply press the **Options** soft key and select **Swap**.

The current call is placed on hold and the call on hold is reactivated so that you can continue conversing with that person.

When you want to finish, end each call normally by pressing the key.

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to a person in the room but do not want the person on the phone to hear you.

To switch the microphone off temporarily:

1. Press the **Options** soft key or the ⓞ key.
2. If necessary, press the **Down** key to highlight the **Mute** option.
3. Press the **Select** soft key or the ⓞ key. The other person can no longer hear you.

To switch the microphone back on:

1. Press the **Opt.** soft key or the ⓞ key.
2. If necessary, press the **Down** key to highlight the **Unmute** option.
3. Press the **Select** soft key or the ⓞ key. The other person can hear you again.

Using the Speakerphone

While on a call, you can use your Speakerphone by following these steps:

1. Press the **Spkr on** soft key.
2. You will receive the confirmation, **Speaker On?**
3. Press the **Yes** soft key.
4. To turn the Speakerphone off, press the **Spkr off** soft key.

Muting or Sending Key Tones

These options allow you to turn the key tones off or on. If the **Mute keys** option is selected, your phone does not transmit the DTMF (Dual Tone Multi-Frequency) tones of the keys, which allows you to press keys without hearing annoying key tones during a call.

Note: To communicate with answering machines or computerized telephone systems, the **Send keys** option must be selected.

Searching for a Number in Phonebook

You can search for a number in Phonebook during a call.

1. Press the **Options** soft key or the ⓞ key.
2. Press the **Down** key to highlight the **Phonebook** option and press the **Select** soft key or the ⓞ key.
3. Press the **Down** key to highlight the **Search** option and press the **Select** soft key or the ⓞ key.

The Phonebook entries are listed.

4. Enter the name that you wish to find in the textbox located below the entries.
5. If you enter the first few letters of the name, the Phonebook entries are listed starting with the first entry matching your input.
6. To view the highlighted entry, press the **View** soft key or the ⓞ key.

For further details about the Phonebook feature, see "Finding a Phonebook Entry" on page 62.

Call Waiting

You can answer an incoming call while you have a call in progress, if this service is supported by the network and you have set the Call waiting menu to Activate. You are notified of an incoming call by a call waiting tone.

To answer a call while you have a call in progress:

1. Press the key to answer the incoming call. The first call is automatically put on hold.
2. To switch between the two calls, press the **Swap** soft key.

To end a call on hold, press the **Options** soft key or the key and select the **End held** call option.

To end the current call, press the key.

Making a Multi-Party Call

A multi-party call is a network service that allows up to six people to take part simultaneously in a multi-party or conference call.

For further details about subscribing to this service, contact your service provider.

Setting up a Multi-Party Call

1. Call the first participant in the normal way.
2. Call the second participant in the normal way. The first call is automatically put on hold.
3. To join the first participant to the multi-party call, press the **Options** soft key or the key and select **Join**. Press the **Select** soft key or the key.

4. To add a new person to the multi-party call, call the new person in the normal way and then press the **Options** soft key or the ⓞ key. Select the **Join** option and press the **Select** soft key or the ⓞ key.

You can add incoming callers by answering the call and pressing the **Options** soft key or the ⓞ key, and selecting **Join**. Repeat as required.

Having a Private Conversation With One Participant

1. Press the **Options** soft key or the ⓞ key and choose the **Split** option. Press the **Select** soft key or the ⓞ key.

   The list of call participants appears.

2. Highlight a person by pressing the **Up** or **Down** key, and press the **Select** soft key, the ↷ key, or the ⓞ key.

   Now you can talk privately to that person. The other participants can continue to converse with each other.

3. To return to the multi-party call, press the **Options** soft key or the ⓞ key and select **Join**. Press the **Select** soft key or the ⓞ key.

   All of the multi-party call participants can now hear each other.

Dropping One Participant

1. Press the **Options** soft key or the ⓞ key and choose the **Split** option. Press the **Select** soft key or the ⓞ key.

   The list of call participants appears.

2. Highlight the person you want to keep. Press the **Options** soft key and highlight **End held call**. Press the **Select** soft key or the ⓞ key.

3. Press the **Down** key to select the **Remove** option and press the **OK** soft key or the ⓞ key.

   The call with the participant on hold will end, but you can continue to talk to the other participants.

4. When you want to end the multi-party call, close the phone or press the ⏻ key.

Section 4: Menu Navigation

Topics Covered

- Menu Navigation
- Menu Outline

This section explains the menu navigation for your phone. It also includes an outline of all the available menus associated with your phone.

Menu Navigation

You can tailor the phone's range of functions to your needs using menus and sub-menus. Menus and sub-menus can be accessed by scrolling using the Navigation keys or by using the shortcuts.

Accessing a Menu Function by Scrolling

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Scroll using the Navigation keys to reach a main menu, **Settings** for example. Press the **Select** soft key or the ⓞ key to enter the menu.
3. If the menu contains sub-menus, **Language** for example, you can access them by pressing the **Select** soft key or the ⓞ key.

   If the menu that you have selected contains further options, repeat this step.
4. To scroll through the menus, press the **Up** or **Down** navigation keys.
5. To confirm the chosen setting, press the **Select** soft key, or the ⓞ key.
6. To return to the previous menu level, press the ↺ key, or the C key.
7. To exit the menu without changing the settings, press the ⏻ key.

Using Shortcuts

The menu items, such as menus, sub-menus, and options, are numbered and can be accessed quickly by using their

shortcut numbers. For the main menus, you can access any one of them by pressing the number keys (1 to 0) corresponding to their location on the screen.

Example: Accessing the Language menu.

1. Press the **Menu** soft key.
2. Press the **9** key for **Settings**.
3. Press the **6** key for **Language**.

Menu Outline

The following list shows the menu structure and indicates the number assigned to each option.

1. Recent Calls
   - 1.1 Missed Calls
   - 1.2 Calls Received
   - 1.3 Calls Made
   - 1.4 Voice Mail
     - 1.4.1 Connect to Voice Mail
     - 1.4.2 Voice Server Number
   - 1.5 Delete All
   - 1.6 Call Time
     - 1.6.1 Last Call
     - 1.6.2 Total Made
     - 1.6.3 Total Received
     - 1.6.4 Reset Timers

1.7 Data Volume

1.7.1 Recent Volume

1.7.2 Total Volume

1.7.3 Reset Volume

1.8 Data Call Time

1.8.1 Recent Time

1.8.2 Total Time

1.8.3 Reset Timers

2. Messaging

2.1 IM

2.2 Text Message

2.2.1 Create

2.2.2 Inbox

2.2.3 Outbox

2.2.4 Delete All

2.3 Multimedia Message

2.3.1 Create

2.3.2 Inbox

2.3.3 Outbox

2.3.4 Delete All

2.4 Browser Messages

2.4.1 Inbox

2.4.2 Setting

2.4.3 Delete All

2.5 Templates

2.6 Broadcast Messages*

2.7 Chat

2.8 Settings

2.8.1 Text Message

2.8.1.1 Service Center

2.8.1.2

2.8.1.3 Message Type

2.8.1.4 Reply Path

2.8.1.5 Delivery Report

2.8.2 Multimedia Message

2.8.2.1 Send Settings

2.8.2.1.1 Priority

2.8.2.1.2 Validity Period

2.8.2.1.3 Delivery After

2.8.2.1.4 Delivery Report

2.8.2.1.5 Read Reply

2.8.2.2 Receive Settings

2.8.2.2.1 Msg. Reception

2.8.2.2.2 Anonymous Reject

2.8.2.2.3 Ads Reject

2.8.2.2.4 Report Allowed

2.8.2.3 Multimedia Message Profiles

2.8.2.3.1 Current Profile

2.8.2.3.2 Profile Setting

2.9 Memory Status

2.9.1 Text Message

2.9.2 Multimedia Message

3. Games & Applications

3.1 Games

3.1.1 Shop Games

3.1.2 My Games

3.1.3 Settings

3.1.3.1 APN

3.1.3.2 Login ID

3.1.3.3 Password

3.1.3.4 DNS Settings

3.1.4 Memory Status

3.2 Alarm

3.3 Organizer

3.3.1 New Memo

3.3.2 Calendar

3.3.3 To Do List

3.4 Calculator

3.5 Record Audio

3.5.1 Record

3.5.2 Record Audio

3.5.3 Delete All

3.5.4 Settings

3.5.4.1 Recording Time

3.5.4.2 Volume

3.5.4.3 Default Name

3.5.5 Memory Status

3.6 Unit Conversion

3.6.1 Length

3.6.2 Weight

3.6.3 Volume

3.6.4 Area

3.6.5 Tempatrue

3.7 Timer

3.8 Stopwatch

3.9 World Time

4. MEdia Mall

4.1 Shop Ringtones

4.2 Shop Games

4.3 Shop Graphics

4.4 Shop Multimedia

4.5 Shop Applications

4.6 MEdia Home

5. MEdia Net
5.1 MEdia Net Home
5.2 Favorites
5.3 Go to URL
5.4 Browser Profiles
5.4.1 Current Profile
5.4.2 Profile Settings
5.5 Clear Cache
6. IM
7. My MEdia
7.1 Graphics
7.1.1 Shop Graphics
7.1.2 Downloaded Graphics
7.2 Audio
7.2.1 Shop Ringtones
7.2.2 Download Ringtones
7.2.3 Record Audio
7.2.4 Recorded Audio
7.3 Delete
7.3.1 Graphics
7.3.2 Audio
7.4 Memory Status

8. Address Book

8.1 Contact List

8.2 FDN List

8.3 New Entry

8.3.1 Phone

8.3.2 SIM

8.3.3 SIM (FDN)

8.4 Speed Dial

8.5 Copy All to Phone

8.6 Delete All

8.6.1 Photo size

8.6.2 Shutter sound

8.6.3 Default name

8.7 Own Number

8.7.1 Voice Line 1

8.7.2 Voice Line 2

8.7.3 Data

8.7.4 Fax

8.8 Group Setting

8.8.1 Family

8.8.1.1 Ringtone

8.8.1.2 Change Name

8.8.1.3 View Image

8.8.2 Friends

8.8.2.1 Ringtone

8.8.2.2 Change Name

8.8.2.3 View Image

8.8.3 Partnership

8.8.3.1 Ringtone

8.8.3.2 Change Name

8.8.3.3 View Image

8.8.4 Office

8.8.4.1 Ringtone

8.8.4.2 Change Name

8.8.4.3 View Image

8.8.5 Other

8.8.5.1 Ringtone

8.8.5.2 Change Name

8.8.5.3 View Image

8.9 Memory Status

8.0 Service Number

9. Settings

9.1 Time & Date

9.1.1 Set Time

9.1.2 Set Date

9.1.3 Time Format

9.1.4 Auto Update

9.2 Phone Settings

- 9.2.1 Language
  - 9.2.1.1 Text Language
  - 9.2.1.1 Input Mode
- 9.2.2 Greeting Message
- 9.2.3 Extra Settings

9.3 Display settings

- 9.3.1 Wallpaper
  - 9.3.1.1 Shop Graphics
  - 9.3.1.2 Animations
  - 9.3.1.3 Graphics
  - 9.3.1.4 Text Position
  - 9.3.1.5 Text Color
- 9.3.2 Skin
- 9.3.3 Backlight Time
- 9.3.4 Brightness Control
  - 9.3.4.1 Main LCD
  - 9.3.4.2 External LCD
- 9.3.5 Dialing Font Color

9.4 Sound Settings

- 9.4.1 Incoming Calls
  - 9.4.1.1 Shop Ringtones
  - 9.4.1.2 Default Ringtones
  - 9.4.1.3 My Audio

9.4.1.4 Ring Volume

9.4.1.5 Alert Type

9.4.2 Keypad Tone

9.4.2.1 Default Keypad Tone

9.4.2.2 Volume

9.4.3 Message Tone

9.4.3.1 Text Message

9.4.3.2 Multimedia Message

9.4.4 Power On/Off

9.4.5 Silent Mode

9.4.6 Extra Tone

9.5 Network Services

9.5.1 Call Forwarding

9.5.1.1 Forward Always

9.5.1.2 Busy

9.5.1.3 No Reply

9.5.1.4 Unreachable

9.5.1.5 Cancel All

9.5.2 Call Waiting

9.5.3 Network Selection

9.5.4 Caller ID

9.6 Security

9.6.1 PIN Check

9.6.2 Change PIN

9.6.3 Phone Lock

9.6.4 Change Password

9.6.5 Privacy

9.6.6 SIM Lock

9.6.7 FDN Mode

9.6.8 Change PIN2

* Shows only if supported by your SIM card.

Section 5: Entering Text

Topics Covered

- Changing the Text Input Mode
- Using T9 Mode
- Using ABC mode
- Using Symbols
- Using Numbers

This section outlines how to select the desired text input mode when entering characters into your phone. This section also describes how to use the T9 predictive text entry system to reduce the number of key strokes associated with entering text.

Changing the Text Input Mode

When using your phone, you will often need to enter text, such as when storing a name in your Phonebook, creating your personal greeting or scheduling events on your calendar. You can enter alphanumeric characters by using your phone's keypad.

Your phone has the following text input modes:

- **ABC mode:** this mode allows you to enter letters by pressing the key labeled with the letter you want.
- **T9 mode:** this mode allows you to enter words with only one keystroke per letter. Each key on the keypad has more than one letter; for example, pressing the 5 key can enter J, K, or L. However, the T9 mode automatically compares the series of keystrokes you make with an internal linguistic dictionary to determine the most likely word, thus requiring far fewer keystrokes than the traditional ABC mode.
- **Symbol mode:** this mode allows you to enter symbols, such as punctuation marks.
- **Number mode:** this mode allows you to enter numbers.

Changing the Text Input Mode

When you are in a field that allows characters to be entered, you will notice the text input mode indicator on the display.

Example: Writing a text message.

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1. To change the text input mode, press the key.
2. Choose from the following options:

AEng: ABC mode

Eng: T9 mode

1Eng: Number mode

3. Highlight the input option, and press the **Select** soft key or the key.

Using T9 Mode

T9 is a predictive text input mode that allows you to key in any character using single keystrokes. This text input mode is based on a built-in dictionary.

To enter a word in T9 mode:

1. When you are in T9 mode, start entering a word by pressing the **2** to **9** keys. Press each key only once for each letter.

Example: To enter “Hello” in T9 mode, press the 4,3,5,5, and 6 keys.

The word that you are typing appears on the display. It may change with each key that you press.

2. Enter the whole word before editing or deleting the keystrokes.
3. When the word displays correctly, go to step 4.

   If the word doesn't display correctly, press the **0** key to display alternative word choices for the keys that you have pressed.

Example: Both "Of" and "Me" have the **6** and **3** keys. The phone displays the most commonly used choice first.

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4. Insert a space by pressing the **#** key and start entering the next word.

To add a new word into the T9 dictionary:

1. After pressing the keys corresponding to the word you want to add, press the **0** key to display the alternative words.
2. When you press the **0** key at the last alternative word, the display shows Spell on the bottom line. Press the **Spell** soft key or the **OK** key.
3. Enter the word you want to add using ABC mode. See page "Changing the Text Input Mode" on page 52.
4. Press the **OK** soft key or the **OK** key.

   The word is added to the T9 dictionary and becomes a word for the associated keypress series.

Note: This feature may not be available for some languages.

- To enter periods, hyphens, or apostrophes, press the **1** key. T9 mode applies grammar rules to ensure that correct punctuation is used.
- To shift case in T9 mode, use the * key. There are 3 cases: Initial capital, Capital lock, and Lower case.
- You can move the cursor by using the Navigation keys. To delete letters, press the **C** key. Press and hold the **C** key to clear the display.

Using ABC mode

To use ABC mode, use the **1** to **0** keys to enter your text.

1. Press the key labeled with the letter you want:
   - - Once for the first letter
   - - Twice for the second letter
   - - And so on
2. Select the other letters in the same way.

Note: The cursor moves to the right when you press a different key. When entering the same letter twice or a different letter on the same key, just wait for a few seconds for the cursor to move to the right automatically, and then select the next letter.

Keys

. @ , - ? ! ' : 1

2 abc A B C 2

a b c 2

3 def D E F 3

d e f 3

4 ghi G H I 4

g h i 4

5 jkl J K L 5

j k l 5

6 mno M N O 6

m n o 6

7 pqrs P Q R S 7

p q r s 7

8 tuv T U V 8

t u v 8

9 wxyz W X Y Z 9

w x y z 9

Entering Symbols

Symbol mode enables you to insert symbols and punctuation marks into text.

1. To select a symbol, press the corresponding number key.
2. To display more symbols, press the **Up** or **Down** Navigation key.
3. To clear the symbol(s), press the **C** key. When the input field is empty, this key returns the display to the previous mode.
4. To insert the symbol(s) into your message, press the **OK** soft key or the ⓞ key.

Using Numbers

Number mode enables you to enter numbers into a text message. Press the keys corresponding to the digits you want to enter.

Section 6: Understanding Your Phonebook

Topics Covered

- Storing a Number in the SIM Card
- Storing a Number in the Phone's Memory
- Finding a Phonebook Entry
- Dialing a Number from Phonebook
- Speed Dialing
- Dialing a Number from SIM Card
- Copying all SIM Phonebook Entries
- Deleting all of the Phonebook Entries
- Finding My Phone Number
- Using the Service Dialing Numbers
- Checking the Memory Status

This section allows you to manage your daily contacts by storing their name and number in your Phonebook. Phonebook entries can be sorted by name, entry, or group.

Storing a Number in the SIM Card

1. At the Idle screen, press the **Ph.Book** soft key.
2. Scroll to **New entry** by pressing the **Up** or **Down** key and press the **Select** soft key or the ⓞ key.
3. Highlight the **SIM** option, by pressing the **Up** or **Down** key and press the **Select** soft key or the ⓞ key.
4. Enter a number you want to store and press the **Save** soft key or the ⓞ key.
5. Enter a name and press the **OK** soft key or the ⓞ key.

   For further details about how to enter characters, see "Using ABC mode" on page 55.

   After storing, the phone displays the Phonebook entry number you just created.
6. To use the entry options, press the **Options** soft key.

   The following options are available:

   - Send message: allows you to send a message to the selected number.
   - Assign speed dial: allows you to assign a speed dial number to the phone number you entered. For more information, see "Speed Dialing" on page 63.
   - Edit number: allows you to edit the number.
   - Edit Name: allows you to edit the name.
   - Delete entry: allows you to delete the name and number from Phonebook. You are asked to confirm that you wish to delete the name and number by pressing the Yes soft key.
   - Copy to Phone: allows you to copy the number to your phone.
7. To return to the Idle screen, press the ⏻ key.

Storing a Number in the Phone's Memory

1. At the Idle screen, press the **Ph.Book** soft key.
2. Scroll to **New entry** by pressing the **Up** or **Down** key and press the **Select** soft key or the ✆ key.
3. Select the **Phone** option by pressing the **Up** or **Down** key and press the **Select** soft key or the ✆ key.
4. Select a number Type by pressing the **Up** or **Down** key, and press the **Select** soft key or the ✆ key.

   The following types are available:

   - Mobile: assigns the number entered to the Mobile entry.
   - Home: assigns the number entered to the Home entry.
   - Office: assigns the number entered to the Office entry.
   - Fax: assigns the number entered to the Fax entry.
   - Other: allows you to enter more detailed information for the entry.
   - E-mail: allows you to enter an e-mail address for the number entered.
5. Enter the number you want to store and press the **Save** soft key or the ✆ key.
6. Enter a name and press the **OK** soft key or the ✆ key.

   For further details about how to enter characters, see "Using ABC mode" on page 55.

   After storing, the phone displays the Phonebook entry and name you just created.
7. To use the entry options, press the **Options** soft key. The following options are available:

- Send message: allows you to send a text or picture message for the selected Phonebook entry.
- Assign speed dial: allows you to assign a speed dial key number to the selected Phonebook entry.
- Edit number: allows you to edit the number.
- Edit Name: allows you to edit the name.
- Delete entry: allows you to delete the name and number from Phonebook. You are asked to confirm that you wish to delete the name and number by pressing the Yes soft key.
- Copy to SIM: allow you to store the number on your SIM card.

8. To return to the Idle screen, press the key.

Finding a Phonebook Entry

You can store phone numbers and their corresponding names in your SIM card and phone's memories. They are physically separate but are used as a single entity, called Phonebook.

Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store may differ.

1. When the idle screen displays, press the **Ph.Book** soft key.
2. Press the **Select** soft key or the key when **Search** highlights. You are asked to enter a name.
3. Enter the first few letters of the name.

   The Phonebook entries are listed, starting with the first entry matching your input.
4. To view the highlighted entry, press the **View** soft key.

5. To select a different entry, press the **Up** or **Down** Navigation key until the entry you want is highlighted.
6. Once you have found the entry, press the key to dial the number, or press the **Options** soft key to access the Phonebook entry options.

Dialing a Number from Phonebook

Once you have stored phone numbers in the Phonebook, you can dial them easily and quickly by using the location numbers that were assigned to them in the Phonebook.

Note: If you cannot remember a location number, you must go into the **Search** menu in the **Phonebook** menu to search for the entry by name. For details, "Finding a Phonebook Entry" on page 62.

Speed Dialing

Once you have stored phone numbers from your Phonebook list, you can set up to 8 speed dial entries and then dial them easily whenever you want, simply by pressing the associated numeric key.

In Idle mode, to speed dial the numbers assigned to keys (2 to 9), press and hold the appropriate key.

Setting Up Speed Dial Entries

1. When the Idle screen displays, press the **Ph.Book** soft key.
2. Scroll to **Speed dial** by pressing the **Up** or **Down** key and press the **Select** soft key or the key.

3. Select the key to which you wish to assign the speed-dialing number, from the 2 to 9 keys, and press the **Select** soft key or the ⓞ key.

Note: Memory location 1 is reserved for your Voice mail server number.

4. Choose from the following options:
   - Edit number: allows you to change the number you've assigned to this speed dial number.
   - Edit name: allows you to enter or change the name you assigned to the speed dial number.
   - Delete: allows you to delete the name and number you've assigned to the speed dial number.

Editing a caller group

1. When the idle screen displays, press the **Ph.Book** soft key.
2. Scroll to **Group settings** by pressing the **Up** or **Down** key and press the **Select** soft key or the ⓞ key.
3. Scroll through the group list by pressing the **Up** or **Down** key.
4. When the group you want highlights, press the **Select** soft key or the ⓞ key.
5. Select each option and change the settings, as required. The following options are available:
   - **Melody**: allows you to set the ring tone to be used when you receive a voice call from a member of that group.
   - **Edit name**: allows you to change the name of the group.
   - **View image**: allows you to view the image for that group.

6. When you are finished, press the **C** key or the key.

Dialing a Number from the SIM Card

1. In Idle mode, enter the location number for the phone number you want to dial and press the # key.

   The entry associated with the location number will be displayed.

2. You can press the **Up** or **Down** key to find other numbers on the list.

3. Press the **Dial** soft key, the key, or the key when you have selected the number you want.

Copying all SIM Phonebook Entries

You can copy all SIM entries to the Phone using this option. When you copy entries to the phone, duplicate entries are created.

1. Press **Ph. Book** soft key.
2. Highlight **Copy all to phone** and press the **Select** soft key or the key.

Note: Options are available for phone entries that are not available when stored to the SIM card. For details see "Storing a Number in the Phone's Memory" on page 61.

Deleting all of the Phonebook Entries

You can delete all your entries from your phone's memory, your SIM card, or both.

1. When the idle screen displays, press the **Ph.Book** soft key.

2. Scroll to **Delete all** by pressing the **Up** or **Down** key and press the **Select** soft key or the ⓞ key.
3. To place a check mark by the memory location you want to empty, All, SIM, or Phone, press the ⓞ key.

   You can remove the check mark by pressing the ⓞ key.
4. Press the **Delete** soft key to delete the entries in the selected memory location.
5. When the confirmation message appears, press the **Yes** soft key or the ⓞ key.
6. To cancel the deletion, press the **No** soft key.
7. When you are finished, press the **C** key or the ⏻ key.

Finding My Own Phone Number

This function is a memory aid, which you can use to check your own phone number if you need to do so.

You can assign a name to each of your own phone numbers registered on your SIM card. You can also edit the names and numbers. Any changes made here do not in any affect the actual subscriber numbers on your SIM card.

1. When the idle screen displays, press the **Ph.Book** soft key.
2. Select the **Own number** option by pressing the **Up** or **Down** key and press the **Select** soft key or the ⓞ key.

3. Highlight the **Empty** option and press the **Select** key or the ⓞ key. Highlight the **Edit number** option and press the **Select** soft key or the ⓞ key. Your phone number is displayed. You may edit the number if you wish. Press the **OK** soft key or the ⓞ key.
4. To edit the Name, highlight the **Edit name** option and press the **Select** soft key or the ⓞ key. Edit the name and press the **OK** soft key or the ⓞ key.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers include emergency numbers, directory inquiries and voice mail numbers.

1. When the idle screen displays, press the **Ph.book** soft key.
2. Select the **SDN** option by pressing the **Up** or **Down** key and press the **Select** soft key or the ⓞ key.
3. Scroll through the numbers by using the **Up** or **Down** key.
4. To dial the number displayed, press the **Dial** soft key or the ⓞ key.

Note: This menu is available only when your SIM card supports Service Dialing Numbers**.**

Checking the Memory Status

You can check how many names and numbers are stored in the Phonebook, in both SIM card and the phone memory. You can also see the capacity of both memories.

1. When the idle screen displays, press the **Ph.Book** soft key.
2. Select the **Memory status** option by pressing the **Up** or **Down** key and press the **Select** soft key or the ⓞ key.
3. When you are finished, press the ⌓ soft key or the ↩ key.

Section 7: Messaging

Topics Covered

- Types of Messages
- Message Alerts
- Retrieving New Messages
- Voice mail
- Deleting Messages
- Instant Messaging

This section allows you to send or receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

- Voice Messages
- Text Messages
- Picture Messages
- Browser Messages
- Voice Mail Messages
- Broadcast Messages (SIM Dependent)

Voice messages

In this menu, you can record a voice message of up to 1 minute and then immediately send it by a MMS (Multimedia Message Service) message. MMS will be referred to as Picture Messaging.

When you access this menu, a timer appears on the screen.

1. Press the **Record** soft key to start recording.
2. Record a memo by speaking into the microphone.

   The display shows the elapsed time and the remaining time at one time.
3. When you are finished, press the **Stop** soft key or the ⏻ key. Or, when the recording time is expired, the display switches to the next screen.

Note: If the recording time expires and you do not designate a destination target for the voice message, it will be saved in a voice file named Voicemsg.amr. The next time the recording time expires without a

destination target being designated, the Voicemsg.amr file will be overwritten.

4. Press the **Select** soft key or the ⓞ key to choose from the following options:
   - Recent log: allows you to select a number or an address from the 5 last destinations you entered for sending the last messages.
   - Phonebook: allows you to retrieve a number from your Phonebook.
   - Phone number: allows you to enter the phone number you want.
   - E-mail address: allows you to enter the e-mail address of the recipient.

Note: You can access the following options by pressing the **Options** soft key:

   - Replay: plays back your voice memo.
   - Re-record: discards the voice memo and enables you to record another one.
   - Send: allows you to send the voice memo.
   - Default destination: allows you to send the voice message directly without entering another destination. To select a default destination, press the Select soft key and select from the available options.
   - Save: saves the voice message and continues to the send options.

5. Enter a number or an e-mail address, or select a destination from the **Phonebook** or **Recent log** list. Highlight a selection and press the **Select** soft key.

6. Highlight the correct number or address and press the **Select** soft key or the ⓞ key.
7. Highlight the correct number or address and press the **Send** soft key or the ⓞ key to send the message.

Your phone sends the message. After sending, the message is saved in the Outbox in the **Picture messages** menu.

Note: You can save a voice message without sending it. After recording your message, press the ⟲ soft key and you will receive the **Save?** prompt. Press the **Yes** soft key.

Text Messages

Short Message Service (SMS) allows you to send and receive short text messages to and from other mobile phones. In addition, your phone supports the Enhanced Messaging Service (EMS), which enables you to include simple pictures, melodies, and animated images in your messages. To use this feature, you must subscribe to your service provider's message service.

When the Message icon (✉) appears, you have received new text messages. When the memory is full, an error message displays and you cannot receive any new messages. Use the Delete option in each message box to delete obsolete messages.

Create

In this menu, you can write and send a text message.

Creating a Simple Text Message

1. Create your message.

You can create a message using standard Alphabet characters or special Uni-code characters, depending on the setting in the Character support menu.

Notes: For further details about entering characters, see "Using ABC mode" on page 55.
You can enter up to 160 standard Alphabet characters in your message. When you enter text using Uni-code characters, the maximum number of characters that can be in a message is reduced to 70.

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2. When you finish entering your message, press the **Options** soft key or the ⓞ key. The following options are available:
   - Send: allows you to send the message. The message is deleted after sending.
   - For more information about Text formatting, Add content, or Templates, see "Creating a Message Using Options" on page 73.
   - Save message: allows you to save a copy of the message to the Phone or SIM card.
3. Select **Send** and press the **Select** soft key or the ⓞ key.

Note: When the phone fails to send the message, it asks you if you want to retry. Press the **OK** soft key to confirm. Otherwise, press the **Exit** soft key to return to the message screen.

Creating a Message Using Options

1. Create your message.
2. Press the **Options** soft key or the ⓞ key.

3. Select one of the following options by using the **Up** and **Down** keys and pressing the **Select** soft key or the ⓞ key.

   - Text formatting: allows you to format the style of the text. For the Size attribute, Normal, Large, and Small size are available. Mode options are Normal, Underline, and Strikethrough. Alignment options are Left, Center, and Right.

   The attributes can be combined.

   - Add content: allows you to add a picture, melody, or animation to your message. Select the category of the item to be added. In each category, you can select from the various factory-set items or choose an item received from other sources, such as the Internet or other phones.

Note: When you add media items to a message, the number of characters you can enter decreases.

   - Templates: allows you to apply one of the preset message templates to the text. Select one of the 4 items stored in the Templates menu.

4. Complete the message, and select Send or Save message.

Inbox

This message box is used to store messages that you have received.

When you enter this menu, the list of messages in the box displays with the senders' phone numbers or names, if available in your Phonebook.

1. Select a text message from the list and press the **Select** soft key or the ⓞ key to read the message contents.

2. To scroll through the contents, press the **Up** or **Down** key.
3. To scroll to the previous or next message, press the **Left** or **Right** Navigation keys.

While reading a message, you can choose the following options by pressing the **Options** soft key:

- Text reply: allows you to send a reply to the sender by sending a text message.
- Call back: allows you to call the sender.
- Delete: allows you to delete the message.
- Save address: allows you to extract the sender's number and URL, e-mail addresses or phone numbers from the message text, so that you can save them in your phone's memory.
- Forward: allows you to send/resend the message. For further information about how to send a message, see "Create" on page 72.
- Select content: allows you to save media items, such as sounds or images, from the message into your phone's memory. You can then use the items when writing a message.
- Move to phone: allows you to move the message from the SIM card to the phone's memory. This option is only available for messages stored in the SIM card.
- Move to SIM: allows you to move the message from the phone's memory to the SIM card. This option is only available for messages stored in the phone's memory.

Outbox

This message box is used to store messages that you have sent or will send.

When you enter this menu, the list of messages in the box displays with the recipients' phone numbers or names, if available in your Phonebook.

1. Select a text message from the list and press the **Select** soft key or the key to read the message contents.
2. To scroll through the contents, press the **Up** or **Down** Navigation key.
3. To scroll to the previous or next message, press the **Left** or **Right** Navigation key.

While reading a message, you can choose the following options by pressing the **Options** soft key:

- Delete: allows you to delete the message.
- Save address: allows you to extract the destination number and URL, e-mail addresses or phone numbers from the message text, so that you can save them in your phone's memory.
- Send: allows you to send/resend the message. For further information about how to send a message see "Create" on page 72.
- Forward: allows you to send/resend the message. For further information about how to send a message, see "Create" on page 72.
- Move to phone: allows you to move the message from the SIM card to the phone's memory. This option is only available for messages stored in the SIM card.
- Move to SIM: allows you to move the message from the phone's memory to the SIM card. This option is only available for messages stored in the phone's memory.

Delete All

This menu allows you to delete all of the text messages in each message box. You can also delete all of your messages at one time.

1. To select a text message box to clear, press the **Up** or **Down** key. To delete all of your messages, select **All messages**.
2. To place or remove a check mark, press the ⓪ key.
3. Press the **Delete** soft key to delete the marked objects.
4. When the phone asks for confirmation again, press the **Yes** soft key.

Picture Messages

This menu allows you to use the Multimedia Message Service.

Picture Messaging is a messaging service that provides delivery of personal multimedia messages from phone to phone or from phone to e-mail.

In addition to the familiar text content of text messages, multimedia messages can contain images, graphics, voice, and audio clips. Picture Messaging is a multimedia presentation in a single file. It is not a text file with attachments.

Using the Picture Messaging feature, your phone can receive and send messages that contain multimedia files, such as photos, sounds and images you downloaded from the Internet and voice memos you recorded. This function is available only if it is supported by your service

provider. Only phones that offer multimedia messaging features can receive and display multimedia messages.

Create

This menu allows you to create a new multimedia message and send to one or multiple destinations.

Creating and Sending a Multimedia Message

1. When you highlight **Subject**, press the **Add** soft key or the ⓞ key.
2. Enter the subject of your message and press the **OK** soft key or the ⓞ key.

Note: For more information about entering characters, see "Using ABC mode" on page 55.

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3. To add a picture, highlight the **Picture** option and press the **Add** soft key or the ⓞ key. Press the **Opt.** soft key for the following options:
   - Send: sends the Picture Messaging message.
   - Preview: allows you to see the message before you send.
   - Add page: allows you to add another page for the Picture Messaging message.
   - Page timing: page timing allows you to set how long each page of the Picture Messaging message is displayed. The default time is 5 seconds, maximum 99 seconds.
   - Text effect: allows you to change the color, size, and style of the Picture Messaging text.
   - Clear picture: allows you to remove the selected picture.
   - Delete page: allows you to delete the page selected.

- Save message: allows you to save the Picture Messaging message.

4. To change the text or replace the image or sound with another one, select a category and press the **Opt.** soft key. Depending on the category selected, highlight **Clear picture/sound/message/subject** to remove the item.
5. When you have finished creating the message, press the **Opt**. key and choose **Send**. Press the **Select** soft key or the ⓞ key.
6. Choose one of the following options and press the **Select** soft key or the ⓞ key:
   - Recent log: allows you to select a number or an address from the 5 last destinations you entered for sending the last messages.
   - Phonebook: allows you to enter the phone number you want.
   - Phone number: allows you enter a phone number or choose one from the Ph.Book.
   - E-mail address: allows you to enter the e-mail address of the recipient.
   - My Album: allows you to send the message to the My Album folder.
   - My Journal: allows you to send the message to My Journal.
7. Press the **Send** soft key to send the message. Your phone sends the message.

Inbox

Viewing a Message When You Receive It

When a new multimedia message comes in, the display shows the Picture Messaging icon.

1. Press the **View** soft key or the ⓞ key to view brief information about the message, such as the sender's number, the message size and the subject. Press the **Select** soft key to view the message.

   If you want to view the message later in the Inbox, press the **Exit** soft key.

2. To scroll through the message information, press the **Right** or **Left** Navigation key.

3. Press the **Opt.** soft key or the ⓞ key to access the following options:

   - Reply: allows you to create a message and reply to the sender.
   - Replay: if there are multiple screens to this message, allows you to replay the message from the beginning.
   - Delete: deletes the message.
   - Forward: allows you to forward this message to another destination.
   - Call back: allows you to dial the number from which this message was sent.
   - Use content: allows you to use the contents of this message (picture or sound) to send to another destination in a different message.
   - Save address: allows you to store the address from which this message was sent. You can also reply to the message from this option.
   - Properties: shows you information about the message, such as the subject, sender's e-mail address or phone number, message size, recipient's e-mail address or phone number, its priority, and the time and date the message was received.

4. When you are finished, press the ⏻ key.

Viewing a Received Message in the Inbox

When you access the Inbox menu, a list of multimedia messages you received displays along with the message subjects. The icons on the left tell you the status of the messages.

Picture Messaging notifications that have been opened.

Picture Messaging notifications that have not been opened.

1. .Select a message on the list and press the **Select** soft key or the ⓞ key.

   The message displays and scrolls to the next page, if it has one, after a specified time.

2. To scroll through the message, press the **Left** or **Right** Navigation key.

While viewing a message, you can choose the message options by pressing the **Opt.** soft key.

Outbox

When you access this menu, the list of multimedia messages that you have sent or saved displays. The icons on the left tell you the status of each message:

Messages sent

Messages currently being sent

Messages your phone couldn't send

Messages to be sent

Messages deferred

1. Select a message on the list and press the **Select** soft key or the ⓞ key.

The message displays and scrolls to the next page, if it has more, after a specified time.

2. To scroll through the message, press the **Up** or **Down** Navigation key.

   If the message has more than one page, you can scroll through the pages by using the **Left** and **Right** Navigation keys.

While viewing a message, you can choose the following options by pressing the **Options** soft key:

- **Delete**: allows you to delete the message.
- **Replay**: allows you to replay the message from the beginning.
- **Send**: allows you to send/resend the message.
- **Properties**: shows you information about the message, such as the time and date, to (recipient number), size, priority, and class.

Draft

After creating a multimedia message, you can store it in this message box to be sent at a later time.

Delete All

This menu allows you to delete all of the multimedia messages in each message box separately. You can also delete all of your messages at one time.

1. To select Picture messages to clear, press the **Up** or **Down** key.
2. Highlight the message box. Press the **Select** soft key or the ⓞ key. To delete all of your messages, select **All messages**.

3. To remove a check mark, press the ⏻ key.
4. To delete the marked messages, press the **Delete** soft key. When a confirmation message displays, press the **Yes** soft key to confirm.

Browser Messages

This menu allows you to receive web messages from the server, or to set the phone not to receive Web messages.

The following options are available:

- **Inbox**: allows you to read the messages received from the web server.
- **Receive**: allows you to set whether or not your phone receives web messages.
- **Delete all**: allows you to delete all of the web messages.

Voice Mail

This menu provides you with a way of accessing your voice mailbox, if provided by your network.

The following options are available:

- **Call voice mail**: before using the Voice Mail feature, you must enter the voice server number obtained from your service provider. You can then select this option and press the **OK** soft key or the ⏻ key to listen to your messages.
  You can connect to the voice server by pressing and holding the 1 key in Idle mode.
- **Voice server number**: allows you to change the voice mail server number, if necessary.

Note: Voice mail is a network feature. Please contact your service provider for further details.

Broadcast Messages (SIM Dependent)

This network service allows you to receive text messages on various topics, such as the weather or traffic.

Please contact your service provider for further details.

Settings

In this menu, you can set up default text message and picture message information. The last setting you accessed is automatically activated for sending subsequent messages.

Text Messages

- Service center: allows you to store or change the number of your message center, which is required when sending messages. You must obtain this number from your service provider.
- Validity period: allows you to set the length of time your text messages are stored at the message center while attempts are made to deliver them.
- Message type: allows you to view the type of message sent.
- Reply path: allows the recipient of your message to send you a reply message using your message center, if your network supports this service.
- Delivery report: allows you to activate or deactivate the report function. When this function is activated, the network informs you whether or not your message has been delivered.
- Character support: allows you to select a character encoding type, either GSM-alphabet, Uni-code, or Automatic. If you select Automatic, the phone automatically changes the encoding type from GSM-alphabet to Uni-code when you enter a Uni-code character.

When you select Uni-code, the maximum number of characters which can be in a message is reduced to approximately half. If your recipient's phone does not support Uni-code characters, he/she may not be able to read your message correctly.

Note: If your phone doesn't have the Character support menu, the phone provides the Automatic character encoding by default.

Picture Messages

The following options are used to set Send and Receive settings for Picture messages.

Send Settings

- **Priority**: you can select the priority level of your messages.
- **Validity period**: set the length of time your messages are stored in the message center while the network attempts to deliver them.
- **Delivery after**: you can set a delay time before the phone sends your messages.
- **Delivery report**: when this option is enabled, the network informs you whether or not your message has been delivered.
- **Read reply**: when this option is enabled, your phone sends a request for a reply along with your message to the recipient.

Receive Settings

- **Msg. reception**: you can set your phone to automatically receive or reject incoming messages.
- **Ads reject**: you can set your phone to automatically reject or receive advertising messages.
- **Report allowed**: you can set the option to receive a delivery report.

Memory Status

You can check the amount of the memory being used and the memory remaining for text messages and picture messages.

The display shows the total space including the used and free space. You can also view how much space is currently occupied by each message box.

Section 8: Changing Your Settings

Topics Covered

- Time & Date Settings
- Display Settings
- Sound Settings
- Get More Help
- Greeting Message Settings
- Language Settings
- Security Settings
- Extra Settings
- Reset Settings
- Network Services Settings

This section explains the sound and phone settings for your phone. It includes display settings, security settings, and extra settings associated with your phone.

Time & Date

This menu allows you to change the current time and date displayed. You can also find out what time it is in another part of the word.

The following options are available:

- **Set date**: allows you to enter the month, day, and year.
- **World time**: allows you to find out what time it is another part of world, using the **Left** and **Right** Navigation keys.

Note: Before setting the time, you must specify your time zone in the **World time** menu.

The screen shows the:

- city name.
- current time and date.
- city selected as your time zone.

To select your time zone:

1. Select the city corresponding to your time zone by pressing the **Left** or **Right** key one or more times. The local time and date display.
2. Press the **Set** soft key or the ⓞ key.
   - **Set time**: allows you to enter the current time.
   - **Time format**: allows you to change the time format to 12 hours or 24 hours.
   - **Auto update**: allows you to receive time information from your service provider's network.
     - Off: you need to manually set the time and date according to the current time zone using the Set time menu.

- On: the phone automatically updates the time and date according to the current time zone using the network service.
- Confirm first: the phone asks for a confirmation before the update.

Note: Automatic updates of time and date do not change the time you have set for alarm settings or calendar memos.

Display Settings

In this menu, you can change various settings for the display or backlight.

Wallpaper

This menu allows you to change the background image or the color of the text to be displayed in Idle mode.

The following options are available:

- Animations: you can select a background image to be displayed on the idle screen.
- Get More Wallpapers: You can also select any images downloaded from the Internet, t-zones, and optional EasyStudio 1.0 program or received in messages.
- My photos: you can select a background from the photos you have taken.
- Images: you can select a background from the phones preloaded images.
- Text color: you can select the phone's display text color and shading.

To change the background image:

1. Scroll through the list by pressing the **Left** or **Right** key.

   You have various preset images available.

2. Press the **Select** soft key or the ⓞ key when the image you want highlights.

Interior Display

You can select the color of the menus displayed.

Backlight

In this menu, you can select the length of time the backlight is on and the phone is in Dimming mode.

Settings available are: 15 seconds, 30 seconds, 1 minute, 3 minutes, and 10 minutes.

Brightness Control

You can adjust the display brightness for the **Main LCD** and the **Front LCD** to see it better in different lighting conditions.

Press the **Up** or **Down** Navigation key or press the **Volume** keys to adjust the brightness.

Service Light

This menu allows you to select whether or not the service light is used. If you do not want to use the service light, select **Off**.

Sound Settings

You can customize various sound settings.

My MegaTones

This menu displays the different ringtones you have downloaded from the internet.

Get More MegaTones

This menu allows you to download different ringtone melodies from the internet. To enable a downloaded ringtone, use the Ringtone option.

Ringtones

This menu allows you to select a ring melody.

You can choose between many different melodies.

Ring Volume

This menu allows you to adjust the ring volume to one of 5 levels.

Use the **Up** and **Down** keys or the **Volume** keys on the left side of the phone to increase or decrease the volume.

Alert Type

This menu allows you to specify how you are to be informed of incoming calls.

The following options are available:

- Melody: the phone rings using the ring melody selected in the Ringtone menu.
- Vibration: the phone vibrates but does not ring.
- Vibration then melody: the phone first vibrates 3 times and then starts ringing.
- Light only: the service light flashes; the phone neither rings nor vibrates.

Keypad Tone

This menu allows you to select the tone that the phone sounds when you press a key.

To turn off the sound, select **Off**.

Message Tone

This menu allows you to set up the ringer for incoming messages, text messages, and multimedia messages.

Power On/Off

This menu allows you to select the melody that the phone sounds when it is switched on and off.

To turn off the sound, select **Off**.

Alerts on Call

This menu allows you to choose whether or not the phone informs you when you receive a new message or when the time for an alarm comes during a call.

The following options are available:

- Off: the phone doesn't actively alert you to incoming messages or alarms. It only displays the corresponding notification.
- On: the phone alerts you with a beep and displays the corresponding notification.

Extra Tones

You can customize additional tones for the phone.

1. To turn a given tone on, press the **Select** soft key or the ⓪ key. A check mark displays in front of the option.
2. To turn a given tone off, press the **Select** soft key or the ⓪ key. The check mark no longer displays in front of the option.

The following options are available:

- Indicative tones: sets whether or not the phone informs you when you have made a mistake.
- Minute minder: sets whether or not the phone beeps every minute during an outgoing call to keep you informed of the length of your call.
- Connect tone: sets whether or not the phone beeps when your call is connected to the system.

Get More Help

This menu is provides online help for your phone. You may browse general help topics, or enter specific search topics. Information located on this site is maintained by T-Mobile.

Greeting Message Settings

This menu allows you to set a greeting to be displayed briefly when the phone is switched on.

For details about entering characters, see "Using ABC mode" on page 55.

Language Settings

This menu allows you to select a display language for Text language and Input mode. Choose from English, French, and Spanish.

Security Settings

The Security feature enables you to restrict the use of your phone by the others and to restrict the types of calls.

Various codes and passwords are used to protect the features of your phone.

PIN Check

When the PIN Check feature is enabled, you must enter your PIN each time you switch on the phone. Consequently, any person who does not have your PIN cannot use your phone without your approval.

Note: Before disabling the PIN Check feature, you must enter your PIN.

The following options are available:

- Disable: the phone connects directly to the network when you switch it on.
- Enable: you must enter the PIN each time the phone is switched on.

Change PIN

This feature allows you to change your current PIN, provided that the PIN Check feature is enabled. You must enter the current PIN before you can specify a new one.

Once you have entered a new PIN, you are asked to confirm it by entering it again.

Phone Lock

When the Phone lock feature is enabled, the phone is locked and you must enter the 4- to 8-digit phone password each time the phone is switched on.

The password is preset to “00000000” at the factory. To change the phone password, see "Change Password" on page 95.

Once the correct password has been entered, you can use the phone until you switch it off.

The following options are available:

- Disable: you are not asked to enter the phone password when you switch on the phone.
- Enable: you are required to enter the phone password when you switch on the phone.

Change Password

The Change Password feature allows you to change your current phone password to a new one. You must enter the current password before you can specify a new one.

The password is preset to "00000000" at the factory. Once you have entered a new password, you are asked to confirm it by entering it again.

Privacy

Using this menu, you can lock your media contents, such as picture messages, Voice messages, Voice memos, images, sounds, and My Photos. Once you have locked the contents, you must enter the phone's password to access the associated menus.

1. To select an item to lock, press the **Up** or **Down** key. To lock all of the contents, select **All**.
2. To place a check mark, press the ⏻ key.
3. To remove a check mark, press the ⏻ key.
4. To lock the marked items, press the **OK** soft key.
5. Enter a password and press the **OK** key.

When the phone asks for the password, enter the password and press the **OK** soft key or the ⏻ key.

Note: The password is preset to “00000000” at the factory. To change this password, see "Change Password" on page 95.

SIM Lock

When the SIM Lock feature is enabled, your phone only works with the current SIM. You must enter the SIM lock code to unlock the SIM so you can use a different SIM card.

Once you have entered the lock code, you are asked to confirm your entry.

FDN Mode

FDN (Fixed Dial Number) mode, if supported by your SIM card, allows you to restrict your outgoing calls to a limited set of phone numbers.

The following options are available:

- **Disable**: you can call any number.
- **Enable**: you can only call phone numbers stored in Phonebook. You must enter your PIN2. The following options are available:
  - Full length entries or wild cards can be entered in to the FDN list.
  - A full length number with a specific contact name can be entered into the FDN list.
  - Wildcard entries allow a range of numbers to be dialed with a single entry: ex. 555 – All dialed numbers that begin with 555 will be allowed. Numbers that do not match the conditions in the FDN list will be restricted. Note: Entering an asterisk (*) is not required for wild card entries.

Change PIN2

The Change PIN2 feature allows you to change your current PIN2 to a new one. You must enter the current PIN2 before you can specify a new one. Once you have entered a new PIN2, you are asked to confirm it by entering it again.

Note: Not all SIM cards have a PIN2. If your SIM card does not, this menu does not display.

Extra Settings

You can turn the automatic redialing or answering features on or off.

1. To turn a feature on, press the **Select** soft key or the key. A check mark displays in front of the option.
2. To turn a feature off, press the **Select** soft key or the key. The check mark no longer displays.

The following options are available:

Note: The interval between call attempts varies.

- Auto redial: when this option is checked, the phone makes up to ten attempts to redial a phone number after an unsuccessful call.
- Active Flip: when this option is checked, you can simply open the phone to answer a call. When it is unchecked, you must open the phone and press a key to answer a call, depending on the setting of the Anykey answer option. See below.
- Anykey answer: when this option is checked, you can answer an incoming call by pressing any key, except the key or the

Reject soft key. To reject the call, press the key or the Reject soft key. When this option is unchecked, you must press the key or Accept soft key to answer a call.

Reset Settings

From this menu you can reset your phone and sound settings to the default settings.

The following options are available:

- Sound settings: only sound settings will be returned to default values.
- Phone settings: only phone settings will be returned to default values.
- All settings: Both sound and phone settings will be returned to default values.

To reset your phone settings:

1. Highlight one of the options and press the **Select** soft key or the key.
2. You will be prompted with **Reset settings?**. Press the **Yes** soft key.
3. Enter the 4- to 8-digit password and press the **OK** soft key or the key. You will receive a **Sound settings reset** confirmation message.

   The password is preset to “00000000.” To change this password, see "Change Password" on page 95.

Network Services Settings

Call Forwarding

This network service enables incoming calls to be rerouted to the number that you specify.

Example: You may wish to forward your business calls to a colleague while you are on holiday.

To set your call forwarding options:

1. Select a call forwarding option by pressing the **Up** or **Down** key and then press the **Select** soft key or the ⓞ key.

   The following options are available:

   - Forward always: all calls are forwarded.
   - Busy: calls are forwarded when you are already on another call.
   - No reply: calls are forwarded when you do not answer the phone.
   - Unreachable: calls are forwarded when you are not in an area covered by your service provider or when your phone is switched off.
   - Cancel all: all call forwarding options are canceled.

2. Select the type of calls, voice or data, by pressing the **Up** or **Down** key, and then press the **Select** soft key or the ⓞ key.

   The current status displays. If the option has already been set, the number to which the calls are forwarded displays.

3. To activate call forwarding, press the **Activate** soft key. Go to step 6.

4. To change the number to be called, press the **Change** soft key. Go to step 6.

5. To deactivate call forwarding, press the **Remove** soft key.

6. Enter the number to which the calls are to be forwarded and press the **OK** soft key or the ⓞ key.
   To enter an international code, press the **0** key until the **+** sign displays.
7. When you select **No reply** in step 1, select the length of time the network waits for before forwarding a call.

   The phone sends your settings to the network and the network's acknowledgement displays.

Call Waiting

This network service informs you when someone is trying to reach you during another call.

You can specify individual call waiting options for voice calls and / or data calls.

To set your call waiting options:

1. Select the type of calls, voice or data, to which the call waiting option is to be applied by pressing the Up or Down key and then press the Select soft key or the ⓞ key.

   The screen informs you whether call waiting is activated or deactivated.
2. You can activate or deactivate the Call Waiting feature using the **Activate** or **Deactivate** soft key respectively.
3. To return to the previous screen, press the **Exit** soft key.

Network Selection

The Network Selection feature enables you to automatically or manually select the network used when roaming outside of your home area.

Note: You can select a network other than your home network only if there is a valid roaming agreement between the two.

To change Network Selection mode:

1. Press the **Up** or **Down** key until the appropriate option highlights, then press the **Select** soft key or the ⓞ key.

   If you select Automatic, you are connected to the first available network when roaming.

   If you select Manual, go to step 2.

2. Press the **Up** or **Down** key until the network you want highlights and then press the **Select** soft key or the ⓞ key.

   The phone will scan for that network and you will be connected.

Caller ID

You can prevent your phone number from being displayed on the phone of the person being called.

Note: Some networks do not allow you to change this setting.

The following options are available:

- Default: the default setting provided by the network is used.
- Hide number: your number does not display on the other person's phone.
- Send number: your number is sent each time you make a call.

Band Selection

This menu option provides the ability to set the band for your phone. Choose from GSM 850/1900, GSM 1800, or Automatic.

Section 9: Personal Assistant

Topics Covered

- Alarm
- Calendar
- Calculator
- To Do List
- Voice memo
- Conversion
- Timer
- Stopwatch

The topics covered in this section allow you to schedule appointments, view the calendar, create To-Do lists, set an alarm, and perform simple math calculations.

Alarm

This feature allows you to:

- set the alarm to ring at a specific time.
- set the phone to switch on automatically and ring the alarm even if the phone is switched off.

The following options are available:

- Wake-up Call: the alarm rings to wake you up in the morning.
- Alarm1: set the day, time, and tone for this alarm.
- Alarm2: set the day, time, and tone for this alarm.
- Auto power: alarm rings at the specified time even if the phone is turned off. If the option is set to Disable and the phone is switched off at the specified time, the alarm does not ring.

To set the alarm:

1. Choose the type of alarm to be set and press the **Select** soft key or the ⓞ key.
2. Press the **Options** soft key to choose from the following options:
   - Alarm day: select the days of the week for the alarm.
   - Alarm time: enter the time for the alarm.
   - Alarm tone: select an alarm melody.
   - Remove alarm: removes the set alarm.
3. Highlight **Alarm day** and press **Select** soft key or the ⓞ key. Select the days that you want the alarm to sound using the **Select** soft key. Press the **OK** soft key to save.

4. Highlight the **Alarm time** and press the **Select** soft key or the ⓞ key. Enter the time and press the **OK** soft key or the ⓞ key. Select **AM** or **PM** and press the **Select** soft key or ⓞ key.
5. Highlight **Alarm tone** and press the **Select** soft key or the ⓞ key. Highlight your choice and press the **Select** soft key or the ⓞ key.
6. Press the ⏻ key to return to Idle mode.

Note: Your phone is preset to a 12-hour format. To change the time format, see "Time & Date" on page 88.

7. To stop the alarm when it rings, open the phone and press the **Confirm** soft key, Volume keys, **C** key, ↷ key, or ⏻ key.

Calendar

With the Calendar feature, you can:

- consult the calendar and check your memos.
- write memos to keep track of your schedule.
- set an alarm to act as a reminder, if necessary.

Consulting the Calendar

When you select the Calendar menu, the calendar displays with today's date highlighted. The following options are available when you press the **Options** soft key:

- Add memo: allows you to write a memo and save it to the scheduler, to do list, call, or anniversary list.

- Go to date: allows you to jump to a specific date.
- View all: displays all memos set, starting with the oldest, regardless of the day. To scroll through the memos, press the Up or Down key.
- Delete day: allows you to delete all memo's for the specified day.
- Delete all: allows you to delete all of the memos. You are asked to confirm your action.

Writing a Memo

You can make up to 100 memos for the calendar. More than one memo can be made for one day.

To write or edit a memo on a specific date:

1. Select a date on the calendar, using the Navigation keys.
2. Press the ⓞ key.

   An empty memo screen displays to allow you to enter your memo.
3. Enter your memo and then press the **OK** soft key or the ⓞ key.

Note: For further details about how to enter characters, see "Using ABC mode" on page 55.

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4. Choose from the following **Save to** options:
   - Scheduler: saves the memo to the Scheduler.
   - To do list: saves the memo to the To do list.
   - Call: saves the memo to your Call list.
   - Anniversary: saves the memo to your Anniversary list.

5. You are asked to set the Memo time. The present time shows by default. Enter a time and press the **OK** soft key or the ⓞ key.
6. Highlight AM or PM and press the **Select** soft key or the ⓞ key.
7. You are asked if you wish to set an alarm. If you want the alarm to ring on the chosen day, press the **Yes** soft key or the ⓞ key.

   Otherwise, press the **No** soft key. The memo is saved and the display returns to the calendar.
8. If you pressed the **Yes** soft key or the ⓞ key, set the time for the alarm and press the **OK** soft key or the ⓞ key.

Notes: Your phone is preset to a 12-hour format. To change the time format, see "Time & Date" on page 88.
When the alarm time you set occurs, the alarm rings. To stop the alarm and to view details about the memo, press the **Confirm** soft key or the ⓞ key.

9. If applicable, select **AM** or **PM** and press the **Select** soft key or the ⓞ key.

The color of the date on the calendar changes to pink to indicate that a memo exists for that date.

Viewing a Memo

When you select a day on which more than one memo exists, the first memo for the day displays.

In that case, press the **Left** or **Right** key to scroll to the previous or next memo.

You can access the following options by pressing the **Options** soft key:

- Add: allows you to add a new memo for the day.
- Delete: deletes the memo.
- Edit: allows you to change the memo text.
- Move: allows you to change the time or date of the memo.
- Copy: allows you to copy the memo to another date or time.

Calculator

With this feature, you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division.

1. Enter the first number using the numeric keys.
2. Enter the operation for your calculation by pressing the # key according to the illustration on the display. The * key is used for the decimal. The # key can also be used to create brackets.
3. Enter the second number.
4. To view the result, press the = key.

Repeat steps 1 to 4 as many times as required.

To Do List

This feature allows you to:

- enter a list of tasks to be done.

Creating the To Do List

1. The New Memo screen will appear in order for you to enter your first task. Enter the first task.

Note: For further details about how to enter characters, see "Using ABC mode" on page 55.

2. Press the **OK** soft key or the ⓞ key.
3. Select a date and press the **Select** soft key or the ⓞ key. Enter a time and press the **OK** soft key or the ⓞ key. Highlight **AM** or **PM** and press the **Select** soft key or the ⓞ key.
4. To edit the To Do List, use the following options.

Editing the To Do List

When you select the To do list menu, the current contents display with a status mark, if the task has been done ☑, or is undone ☐.

1. To change the status of a task, highlight **Mark** and press the **Select** soft key or ⓞ key.
2. Use the Up or Down navigation key to mark the task as **Done** or **Undo**.

By pressing the **Options** soft key or the ⓞ key on the list or the task view, you can access the following options:

- Add: allows you to create a new task.
- Mark: allows you to change the status of the current task to either **Done** or **Undo**.
- Edit: allows you to change the text, priority, and/or deadline for the current task.
- Move: allows you to move the task to another date.
- Copy: makes a copy of the current task.
- Delete: deletes the current task.

- Delete all: allows you to delete all of the tasks.

Voice Memo

You can record voice memos. After recording, you can send the memo to other people via the Multimedia Message Service.

Record Voice

This menu allows you to record a new memo. Recording time is limited to free memory space available.

1. To start recording, press the **Select** soft key or the ⏺ key.
2. Record a memo by speaking into the microphone.
3. When the selection is on Stop, press the **Select** soft key or the ⏺ key, or if the recording time expires. Press the **Options** soft key to display the following options:
   - Send: send the voice memo by Picture Messaging.
   - Rename: change the name of the voice memo.
   - Delete: delete the voice memo.
   - Properties: view the properties of the voice memo.
4. To exit, press the ↺ soft key or the ⏻ key.

Voice Memos

This menu shows a list of saved voice memos. Scroll to a memo and press the **Select** soft key or the ⏺ key. The following options are available by pressing the **Options** soft key:

- Send: allows you to send the memo to other people by using the Picture Messaging feature. See "Creating and Sending a Multimedia Message" on page 78 for further details about sending a message.

- Rename: allows you to change the memo's name.
- Delete: allows you to delete the memo.
- Properties: displays information about the memo, such as the name, size, and format.

Delete All

In this menu, you can delete all of your voice memos.

When the confirmation message appears, press the **Yes** soft key. To cancel the deletion, press the **No** soft key.

Settings

In this menu, you can view and set the settings for your voice memos. The following options are available:

- Recording time: allows you to set the recording time to Normal or Limit size (for Picture Messaging).
- Volume: allows you to set the default volume for the recording.
- Default name: allows you to set the default name for the recordings.

Memory Status

You can check the amount of memory being used and the memory remaining for voice memos.

The display shows you the total, used, and free memory, including the number of memos you have stored and the total number of memos you can store.

Conversion

The conversion menu provides the following conversion categories:

- Length

- Weight
- Volume
- Area
- Temperature

Timer

You can use this menu to set a timer. To enable the Timer, use the following options:

1. Press the **Set** soft key to enter the length of time.
2. Enter the time and press the **OK** soft key.
3. Press the **Start** soft key to start the timer. Press the **Stop** soft key to stop the timer.

Stopwatch

You can use this menu to use a stop watch. Press the **OK** soft key to start the stopwatch. Press the **Reset** soft key to erase all stop watch times recorded. Press the **OK** soft key for the lap time. You can have up to 4 lap times.

Section 10: Camera

Topics Covered

- Using the Camera

This section explains how to use the camera on your phone. You can take a photo using the built-in camera.

Using the Camera

Using the camera module in your phone, you can take photos of people or events while on the move. Additionally, you can send photos to other people in a Picture Messaging message or set a wallpaper or caller ID image.

Caution:
Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

Take and Send

Your camera produces photos in JPEG format.

Note: When you take a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. In Idle mode, press and hold the key on the right side of the phone to turn on the camera.
   You can also press the **Menu** soft key to access Menu mode. Highlight **Camera** and press the **Select** soft key or press the key.
2. Highlight **Take and Send** and press the **Select** soft key or press the key.
3. Adjust the image by aiming the camera at the subject. Press the soft key to access the camera options. For details, see "Using Camera Options" on page 115.
   You can use the keypad to quickly change the camera options.

4. Press the [OK] or [Send] key to take the photo. **Send To: My Album?** is displayed. Press the **Yes** soft key if you want to send the photo to your T-Mobile **My Album** service. The phone's default destination is set to **My Album**. The photo is automatically saved in **My photos** in the phone.

Note: To change the default destination for your pictures, press the **Options** soft key when **Send To: My Album?** appears on the display. Highlight the **Default destination** option and the **Replace** option. You can then change your default destination to a phone number, email address, Phonebook, My Album, My Journal, or a Recent log.

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5. To use the photo options, press the Options soft key or the [Send] key.
6. To return to Capture mode, select **New Photo**.
7. To return to Idle mode, press the [End] key.

Using Camera Options

In Capture mode, you can use various options for the camera by pressing the [Menu] soft key.

The following options are available:

Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top right of the display.

- **Normal shot**: allows you to take a photo in the normal mode.
- **Multi-shot**: allows you to take a series of action stills. Select the capture speed, High Speed or Normal Speed, and the number of photos the camera will take.When you press the [Send] key, the camera takes photos successively.
- **Night mode:** allows you to take photos in low (night time) lighting.

- **Capture only:** allows you to take a photo and it automatically saves and returns you to the capture screen.

Frame: allows you to select a decorative frame. Select a frame from the list using the Navigation keys and press the OK key to save your setting.

Effects: allows you to change the color tone or apply special effects to the photo.

Rotation: allows you to rotate the image vertically and horizontally.

Timer: allows you to set a time delay before the camera takes the photo. Select the length of delay you want. When you press the Camera or OK key, the camera takes the photo after the specified time.

Settings: allows you to change the image settings.

- **Photo size**: allows you to set the image size to either 640x480, 320x240, 160x120, or 128x120. The icon for the selected image size (640x480), (320x240), (160x120), (128x120) displays on the capture screen.
- **Shutter Sound**: allows you to select a tone for the shutter sound.
- **Default name:** allows you to change the default name assigned to your photo.

Help: allows you to change options using your keypad in capture mode. The following options are available:

zooms in or out

adjust the image brightness

▲ flips the image vertically

- shows the mirror image

Accessing Pictures in My Photos

1. In Idle mode press the **Menu** soft key to access the Menu mode.
2. Highlight **Camera** and press the **Select** soft key or the OK key.
3. Select **My Photos** and press the **Select** soft key or the OK key.
   When you access this menu, your phone displays the photos in Thumbnail mode, which shows them as small images. Use the Navigation keys to scroll through the photos.
4. To view the photos on the full screen, press the **View** or the OK key. To go back to Thumbnail mode, press the **Multi** soft key or the C key.
5. Press the **Options** soft key to use the following options:

Photo Album Options

Send: allows you to send the photo as part of a Picture Messaging message.

Set as: allows you to set the photo as your Wallpaper or Caller ID image for an entry in the Address Book.

Rename: allows you to change the name of the photo.

Delete: allows you to delete the photo.

Protection: allows you to protect the photo from being deleted.

Properties: shows the properties of the photo, such as the file name, file date, file format, image resolution, file size, and protection status.

Deleting a Photo

You can delete photos one by one or all at one time.

1. From the My Photos menu, select the photo you want to delete and press the **View** soft key or the OK key.
2. Press the **Options** soft key and select **Delete**.
3. Press the **Yes** soft key to confirm the deletion.
4. When you have finished, press the PWR key.

My Album

This menu provides the ability for you to view the photos you have stored on the t-zone browser. Use the following procedures to access **My Album**.

1. In Idle mode press the **Menu** soft key to access the Menu mode.
2. Highlight **Camera** and press the **Select** soft key or the OK key.
3. Select **My Album** and press the **Select** soft key or the OK key. The browser is launched and the My Albums Menu displays.
4. Photos sent to this folder are stored in the **Inbox Album**. Press the **Select** soft key to view the photos.
5. Press the PWR key to exit t-zones and return to the Idle screen.

My Journal

This menu provides the ability for you to store your photos using the t-zone browser.

Delete All

1. In Idle mode, press the **Menu** soft key to access Menu mode.
2. Select **Camera** and press the **Select** soft key or the ⓞ key.
3. Select **Delete All** and press the **Select** soft key or the ⓞ key.
4. Scroll to the album you want to clear and place a check mark by pressing the ⓞ key. To delete all of the items, select **All**.
5. Press the **Delete** soft key.
   A “Sure to delete?” confirmation message appears. Press the **Yes** soft key to confirm the deletion.
6. When you have finished, press the ⏻ key.

Settings

This menu allows you to set the image settings.

- **Photo size**: allows you to set the image size to either 640x480, 320x240, 160x120, or 128x120. The icon for the selected image size (640x480), (320x240), (160x120), (128x120) displays on the capture screen.
- **Shutter Sound**: allows you to select a tone for the shutter sound.
- **Default name:** allows you to change the default name assigned to your photo.

Section 11: Funbox

Topics Covered

- t-zones
- Sounds
- Images
- Games
- My Photos
- Delete All
- Memory Status

The Funbox menu contains menus to download games, sounds, and images.

t-zones

Your phone is equipped with a WAP (Wireless Application Protocol) browser to allow you to access and navigate the Wireless Web using your phone.

Sounds

In this menu, you can view the list of sounds downloaded from the web server or received in multimedia messages. You can set a downloaded sound as the current ring tone.

Scroll through the melody list and press the **Options** soft key or the ⓞ key. The following options are available:

- Set as ring tone: allows you to set the sound as your ring tone.
- Rename: allows you to change the name of the sound.
- Delete: allows you to delete the sound.
- Properties: displays the melody name, size, format and copyright information.

Using the **Get More MegaTones** option on the sounds list, you can access the web site preset by your service provider and download new sounds.

Images

In this menu, you can view the list of images downloaded from the web server or received in messages. You can set a downloaded image as the current background image.

Scroll to the image you want to view and press the **View** soft key or the ⓞ key.

By pressing the **Options** soft key or the ⓞ key, you can access the following options:

- Set as wallpaper: allows you to set the image as your wallpaper for the idle screen.
- Rename: allows you to change the name of the image.
- Delete: allows you to delete the image.
- Properties: displays the melody name, size, resolution, and copyright information.

Using the **Get More wallpapers** option on the images list, you can access the web site preset by your service provider and download new images.

Games

You can download MIDlets (Java applications that run on mobile phones) from various sources using t-zones and store them in your phone.

When you access the Games menu, the list of default games appears. Once you have downloaded games, they are added to the list.

Note: Java services may not be available, depending on your service provider.

Downloading a New Game

You can download more games from the web site preset by your service provider using the Get More games option.

Launching a MIDlet

Note: The procedure explained below is for the default games. For downloaded games, the procedure may be different.

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1. Scroll to the MIDlet you want on the Games list and press the **Launch** soft key or the ⓞ key.
2. On the startup screen of the MIDlet, scroll to an option using the Navigation keys.

   The following options are available:

   - START GAME: starts a new game.
   - CONTINUE: allows you to continue the last game you played.
   - HIGH SCORE: shows the high score table. This option may not be available for some games.
   - HOW TO PLAY: shows how to play the game and the key functions for the game.
   - OPTION: allows you to switch the game sound on or off.
3. Press the ⓞ key to confirm your selection.

Viewing MIDlet Information

1. In the Games Menu, scroll to the MIDlet you want and press the **Options** soft key.
2. Highlight the **Properties** option and press the **Select** soft key or the ⓞ key.

   The display shows information about the MIDlet, such as the file size, application version, and its vendor.
3. If you want to delete a MIDlet, press the Delete soft key and then press the **Yes** soft key or the ⓞ key to confirm the deletion.
4. To exit and return to the Games list, press the **Right** soft key or the **C** key.

Entering text

If you need to enter text while using a MIDlet, you can access the following input modes:

Upper-case character mode (A): allows you to enter upper-case English characters.

Lower-case character mode (a): allows you to enter lower-case English characters.

Number mode (1): allows you to enter numbers.

Symbol mode: allows you to enter symbols. After highlighting a symbol by pressing the Navigation keys, press the ⓪ key to insert it.

T9 mode (T9): allows you to enter English characters by pressing one key per letter. In this mode, you can change the case by pressing the **0** key.

To change the text input mode, press the * key until the appropriate indicator appears on the soft key area of the display.

My Photos

In this menu you can review the photos you've taken. Press the **Options** soft key to choose from the following options:

- **Send**: allows you to create and send a picture message. For more details, see "Picture Messages" on page 77.
- **Set as**: allows you to set the photo as your Wallpaper or as a Caller ID.
- **Rename**: allows you to rename the photo.
- **Delete**: allows you to delete the photo.

- **Protection**: allows you to set protection on this photo so that it cannot be deleted.
- **Properties**: allows you to view the file name, file size, date, resolution quality, and any protection set on the photo.

Delete All

This menu allows you to delete all of the downloaded items in the Sounds, Images, and My photos folders separately. Or, you can delete all of the items at one time.

1. To select a folder to clear, press the **Up** or **Down** key and highlight an option. Press the **Select** soft key or the ⓞ key.
2. For the Sounds and My Photos options, place a check mark next to the option you wish to delete by pressing the **Select** soft key.
3. To delete the marked items, press the **Delete** soft key.

When a confirmation message displays, press the **Yes** soft key or the ⓞ key to confirm.

Memory Status

You can check the amount of memory being used and memory remaining for games, or sounds and images.

Section 12: t-zones

Topics Covered

- t-zones

This section outlines T-Mobile's t-zones service on your phone. For more information, contact your service provider.

t-zones

Your phone is equipped with a WAP (Wireless Application Protocol) browser to allow you to access and navigate the Wireless Web using your phone.

Home

Selecting this menu connects the phone to the network and loads the t-zones homepage of the Wireless Web service provider. You can also press the ✆ key in Idle mode to launch the t-zones browser.

The content of the t-zones startup homepage depends on your Wireless Web service provider. To scroll through the screen, use the **Up** and **Down** keys.

To go to the startup homepage from any other screen in t-zones, use the Home option. For more information on the t-zones menus, see "Selecting and Using Menu Options" on page 129.

Exiting t-zones

To exit the browser at any time, simply press the ⏻ key.

Navigating t-zones

1. To scroll through browser items, press the **Up** or **Down** key.
2. To select browser items, press the **Select** soft key.
3. To return to the previous page, press the **Back** soft key or the **C** key.
4. To return to the startup homepage, press the **Home** soft key.

Entering Text in t-zones

When you are prompted to enter text, the currently active text input mode is indicated on the screen.

The following modes are available:

Upper-case character mode (A): allows you to enter upper-case English characters.

Lower-case character mode (a): allows you to enter lower-case English characters.

You can enter symbols in upper or lower-case character mode by pressing the 1 key.

Number mode (1): allows you to enter numbers.

- To change the text input mode, press the key one or more times.
- To enter a space, press the # key.
- To edit text, set the cursor to the right of the character(s) to be corrected.
- Press the **C** key as required.
- Enter the correct character(s).

Selecting and Using Menu Options

Various menus are available when you are using t-zones to navigate the Wireless Web.

To access a menu option:

1. Press the **Options** soft key. A menu displays.
2. Highlight a menu by pressing the **Up** and **Down** keys.
3. Select the option by pressing the **Select** soft key or the key.

4. If necessary, select a secondary option using the **Up** and **Down** keys, and press the **Select** soft key or the ✆ key to confirm.

Note: The menus may vary, depending on your version of t-zones.

The following options are available:

- Bookmarks: shows the bookmarks list. You can bookmark the current web page or access previously bookmarked pages.
- Reload: reloads the current page.
- Home: takes you back at any time to the home page of the Wireless Web service provider.
- Go to URL: allows you to manually enter the URL address of a Web page. After entering an address, press the OK soft key or ✆ key to go there directly.
- Show URL: displays the URL address of the Web page to which you are currently connected. It also enables you to set the current site as the startup home page.
- Clear cache: deletes the information stored in the cache. The cache stores the most recently accessed Web pages.
- Security info: shows security information when you access the wireless web with the secured WAP setting activated.
- Inbox: allows you to read messages received from a web server.
- Show images: shows the image on the current web page.

Favorites

This menu stores up to 15 URL addresses.

To store a URL address:

1. Select an empty location and press the **Select** soft key.

2. Enter the address and press the **OK** soft key or the ✆ key.

Note: For further details about how to enter characters, see "Using ABC mode" on page 55.

3. Enter a name for the favorite item and press the **OK** soft key or the ✆ key.

After saving favorite items, you can access the following options by selecting a favorite item and pressing the **Select** soft key or the ✆ key:

- Go: takes you to the site.
- Edit: allows you to edit the address and name.
- Delete: allows you to delete the address.

Go to URL

This menu allows you to manually enter the URL address of a web site that you wish to access.

For further details about entering characters, see page 51.

Clear Cache

You can clear the information stored in the cache, which is the phone's temporary memory which stores the most recently accessed Web pages.

Press the **Yes** soft key to confirm the deletion. Otherwise, press the **No** soft key.

Section 13: Health and Safety Information

Topics Covered

- Health and Safety Information

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safety use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government. These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W / kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W / kg). The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. Body-worn operations are restricted to Samsung-supplied, approved, or non-Samsung designated accessories that have no metal and must provide at least 1.3 cm separation between the device, including its antenna (whether extended or retracted) and the user's body. Non-compliance with the above restrictions may result in violation of FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- Head: 0.942 W/Kg.
- Body-worn: 0.564 W/Kg.

SAR information on this and other model phones can be viewed on-line at www.fcc.gov/oet/fccid. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies. When the phone is located at

greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs

or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones;
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones. Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up

to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in

measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

- If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to

believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims. According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested wireless phones and helped develop a

voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations:

- FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/
- Environmental Protection Agency (EPA):
  http://www.epa.gov/radiation/
- Occupational Safety and Health Administration's (OSHA):
  http://www.osha.gov/SLTC/radiofrequencyradiation/index.html
- National institute for Occupational Safety and Health (NIOSH):
  http://www.cdc.gov/niosh/topics/emf
- World health Organization (WHO):
  http://www.who.int/peh-emf/
- International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de
- National Radiation Protection Board (UK):
  http://www.nrpb.org.uk

- Updated 4/3/2002: US food and Drug Administration http://www.fda.gov/cellphones

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.
2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.
3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.
4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.
6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.
7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies. Remember, it is a free call on your wireless phone!
9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.
10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no

one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.wow-com.com

Provided by the Cellular Telecommunications & Internet Association

Operating Environment

Remember to follow any special regulations in force in any area

and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and

for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals

from your wireless phone. Consult the manufacturer to discuss alternatives.

Pacemakers

Pacemaker manufacturers recommend that a minimum distance of 15 cm (6 inches) be maintained between a wireless phone and a pacemaker to avoid potential interference with the pacemaker.

These recommendations are consistent with the independent research and recommendations of Wireless Technology Research.

Persons with pacemakers:

- should always keep the phone more than 15 cm (6 inches) from their pacemaker when the phone is switched on.
- should not carry the phone in a breast pocket.
- should use the ear opposite the pacemaker to minimize potential interference.

If you have any reason to suspect that interference is taking place, switch your phone off immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may wish to consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions.

Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots

(fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and / or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press the key.

If certain features are in use (call barring, for example), you may

first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play

with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can

require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after 15 minutes of searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

- Hold the phone with the antenna raised, fully-extended and over your shoulder.
- Try not to hold, bend or twist the phone's antenna.
- Don't use the phone if the antenna is damaged.
- Speak directly into the phone's receiver.
- Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and / or usage charges. Not all features are available for purchase or use

in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

- Never use any charger or battery that is damaged in any way.
- Use the battery only for its intended purpose.
- If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.
- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.

- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not short-circuit the battery. Accidental short- circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years

- Keep the phone and all its parts and accessories out of the reach of small children's.
- Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.
- Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.
- Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.
- Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.

- Use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.
- If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Section 14: Warranty Information

Topics Covered

- Standard Limited Warranty

Standard Limited Warranty

What is Covered and For How Long? SAMSUNG TELECOMMUNICATIONS AMERICA, L.P. ("SAMSUNG") warrants to the original purchaser ("Purchaser") that SAMSUNG's Phones and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case / Pouch	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon proper use of Product by Purchaser. This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abuse, neglect, unusual physical, electrical or electromechanical stress, or modification of any part of Product, including antenna, or cosmetic damage; (b) equipment that has the serial number removed or made illegible; (c) any plastic surfaces or other externally exposed parts that are scratched or damaged due to normal use; (d) malfunctions resulting from the use of Product in conjunction with accessories,

products, or ancillary / peripheral equipment not furnished or approved by SAMSUNG; (e) defects or damage from improper testing, operation, maintenance, installation, or adjustment; (f) installation, maintenance, and service of Product, or (g) Product used or purchased outside the United States or Canada. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery, (ii) any of the seals on the battery are broken or show evidence of tampering, or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty period, SAMSUNG will repair or replace, at SAMSUNG's sole option, without charge to Purchaser, any defective component part of Product. To obtain service under this Limited Warranty, Purchaser must return Product to an authorized phone service facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired /

replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired / replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG. If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

WHAT ARE THE LIMITS ON SAMSUNG'S WARRANTY/LIABILITY?

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

- THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;
- WARRANTIES OF TITLE OR NON-INFRINGEMENT;
- DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;
- THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR
- COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

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